

Notice of Allowability

Application No.

09/972,056

Examiner

Robert D. Harlan

Applicant(s)

MATYJASZEWSKI ET AL.

Art Unit

1713

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/26/03.
2. ☒ The allowed claim(s) is/are 1-27,31-36 and 38-41.
3. ☒ The drawings filed on 05 October 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Bernard Pike on 07/16/03.

3. The application has been amended as follows:

Please cancel claims 28-30 and 37.

DETAILED ACTION

4. The Amendment and Petition for Time Extension filed by Applicant on 12/23/03 have been entered.

Response to Amendment/Arguments

5. Applicant's amendment and arguments filed on 12/23/03 have been fully considered and they are found persuasive.

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6. The rejection of claims 3, 23 and 33 under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention is withdrawn.

7. The rejection claims 1-6, 9-13, 17, 24 and 39-41 under 35 U.S.C. 102(e) as being anticipated by Matyjaszewski et al., U.S. Patent No. 6,541,580 (hereinafter "Matyjaszewski") is withdrawn.

Allowable Subject Matter/Reasons for Allowance

8. Claims 1-27, 31-36 and 38-41 are allowed.

9. The following is an examiner's statement of reasons for allowance: The closest prior art located or identified by the Examiner is Matyjaszewski. Matyjaszewski teaches a process for ATRP polymerization and coupling of molecules by radical processes is provided, wherein improvements are provided by selection of various ligands, counterions, and transition metal compounds and/or zero oxidation state transition metals. See Matyjaszewski, Abstract; col. 1, lines 20-24; col. 4, lines 31-51. Matyjaszewski further teaches a process for ATRP

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polymerization using a silica-supported catalyst. See Matyjaszewski, Example 269 (col. 125). Matyjaszewski differs from the present invention in that the present invention both soluble and attached (to solid supported) ligands and both soluble and attached metal complexes.

10. As of the date of this Notice of Allowability, the Examiner has not located or identified any reference that can be used singularly or in combination with another reference including Matyjaszewski to render the present invention anticipated or obvious to one of ordinary skill in the art.

11. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

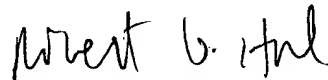
12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert D.

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Harlan whose telephone number is (571) 272-1102. The examiner can normally be reached on Mon-Fri, 10 AM - 8 PM.

13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David W. Wu can be reached on (571) 272-1114. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-1102 for regular communications and (571) 273-1102 for After Final communications.

14. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1495.


Robert D. Harlan
Primary Examiner
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rdh
March 14, 2004